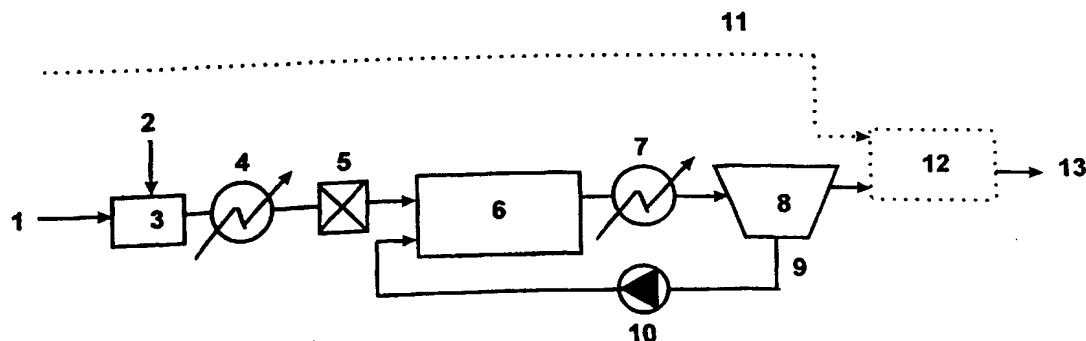




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : F17D 3/14, C10G 33/06	A1	(11) International Publication Number: WO 00/25062 (43) International Publication Date: 4 May 2000 (04.05.00)
(21) International Application Number: PCT/NO99/00293 (22) International Filing Date: 21 September 1999 (21.09.99) (30) Priority Data: 19985001 27 October 1998 (27.10.98) NO (71) Applicant (for all designated States except US): LEIV EIRIKSON NYFOTEK AS [NO/NO]; P.O. Box 62, Pirsenteret, N-7005 Trondheim (NO). (72) Inventors; and (75) Inventors/Applicants (for US only): LUND, Are [NO/NO]; Sildråpeveien 23D, N-7048 Trondheim (NO). LYSNE, David [NO/NO]; Mikkel Mærks vei 1, N-7020 Trondheim (NO). LARSEN, Roar [NO/NO]; Humlehaugveien 1, N-7054 Ranheim (NO). HJARBO, Kai, W. [NO/NO]; Markaplassen 113, N-7054 Ranheim (NO). (74) Agent: BRYN & AARFLOT AS; P.O. Box 449 Sentrum, N-0104 Oslo (NO).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: METHOD AND SYSTEM FOR TRANSPORTING A FLOW OF FLUID HYDROCARBONS CONTAINING WATER

**(57) Abstract**

Method for transporting a flow of fluid hydrocarbons containing water through a treatment and transportation system including a pipeline, wherein the flow of fluid hydrocarbons is introduced into a reactor where it is mixed with particles of gas hydrates which are also introduced into said reactor, the effluent flow of hydrocarbons from the reactor is cooled in a heat exchanger to ensure that all water present therein is in the form of gas hydrates, said flow is then treated in a separator to be separated into a first flow and a second flow, said first flow having a content of gas hydrate is recycled to the reactor to provide the particles of gas hydrates mentioned above, and said second flow is conveyed to a pipeline to be transported to its destination. System for treatment and transportation of a flow of fluid hydrocarbons containing water, which includes the following elements listed in the flow direction and connected with each other: connection to a hydrocarbon source (1), a first heat exchanger (4), a reactor (6), a second heat exchanger (7), a separator (8), and a pipeline (13); and in addition a line (9) which leads from the separator (8) to the reactor (6) and is provided with a pump (10) adapted to recycle material from the separator (8) back to the reactor (6).